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	Application No.	Applicant(s)	
Notice of Allowability	10/630,373	BIRNER ET AL.	
	Examiner	Art Unit	
	Thanh Y. Tran	2822	
The MAILING DATE of this communication All claims being allowable, PROSECUTION ON THE MERIT herewith (or previously mailed), a Notice of Allowance (PTOL NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATEN of the Office or upon petition by the applicant. See 37 CFR	S IS (OR REMAINS) CLOSED i 85) or other appropriate comm IT RIGHTS. This application is	n this application. If not inclu unication will be mailed in du	ded e course. <b>THIS</b>
1. This communication is responsive to <u>12/30/04</u> .			
2. ☑ The allowed claim(s) is/are <u>1-18</u> .			
3. $\boxtimes$ The drawings filed on <u>30 July 2003</u> are accepted by th	ne Examiner.		
4. ☐ Acknowledgment is made of a claim for foreign prior a) ☐ All b) ☐ Some* c) ☐ None of the:  1. ☐ Certified copies of the priority documents 2. ☐ Certified copies of the priority documents 3. ☐ Copies of the certified copies of the priorit International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DA noted below. Failure to timely comply will result in ABAND THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  5. ☐ A SUBSTITUTE OATH OR DECLARATION must be substituted in the priority of the	have been received. have been received in Application of this communication to file on the communication of this application.  Submitted. Note the attached EX in gives reason(s) why the oath of the communication of the communication.	on No  In this national stage applicated in this national stage applicated as reply complying with the representation and the stage application and the stage applicati	equirements
(b) ☐ including changes required by the attached Exam Paper No./Mail Date			
Identifying indicia such as the application number (see 37 C each sheet. Replacement sheet(s) should be labeled as such			ie back) of
7. DEPOSIT OF and/or INFORMATION about the cattached Examiner's comment regarding REQUIREME			Note the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of Ir	nformal Patent Application (P	TO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-9	.48) 6. ☐ Interview S	Summary (PTO-413),	· <b>,</b>
3. Information Disclosure Statements (PTO-1449 or PTO/	Paper No. SB/08), 7. 🗌 Examiner's	/Mail Date : Amendment/Comment	
Paper No./Mail Date 4.	osit 8. 🛭 Examiner's	Statement of Reasons for Al	lowance

U.S. Patent and Trademark Office PTOL-37 (Rev. 1-04)

of Biological Material

9. Other \_\_

Application/Control Number: 10/630,373

Art Unit: 2822

**DETAILED ACTION** 

Allowable Subject Matter

1. Claims 1-18 are allowed.

2. The following is a statement of reasons for the indication of allowable subject matter:

claim 1 recites, inter alia, "a method for fabricating a semiconductor trench structure, the

method comprising: filling the trench of the semiconductor substrate with a filler material;

removing the filler material from an upper region of the trench as far as a boundary surface to

define a collar region; depositing a liner on the collar region and the boundary surface;

removing the liner from the boundary surface, thereby exposing the filler material; and removing

the filler material from a lower region of the trench"; and in the combination with other claimed

features.

The prior art of record does not teach or render obvious to modify the art of record so as

to include the above mentioned-limitations.

Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

**Contact Information** 

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Thanh Y. Tran whose telephone number is (571) 272-2110. The

examiner can normally be reached on M-F (9-6:30pm).

Application/Control Number: 10/630,373

Art Unit: 2822

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amir Zarabian can be reached on (571) 272-1852. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**TYT**